

1000Base-LX to 10/100/1000Base-TX Single-Mode, Dual-Fiber Media Converter

Introduction:

The FHC-1420, FHC-1440 and FHC-1460 single mode, dual-fiber, fiber media converters are designed to extend Ethernet network connections beyond the 100 meter distance limit of copper TX interfaces. To do that, they utilize a 1000BASE-LX single mode, dual-fiber interface and a 10/100/1000Base-TX copper interface. Our media converters are designed to comply with IEEE 802.3u 10/100/1000Base-TX and 1000Base-LX standards.



Additional features of this converter include Auto MDI/MDI-X on the TX port, Auto negotiation of duplex mode on TX port, and frontpanel status LEDs.

Features:

- Auto negotiation of 10/100/1000 Base-TX and auto MDI/MDIX on 10/100/1000Base-TX port
- Link Fault Pass through and Far End Fault detection
- Extend fiber distances: FHC-1420 up to 10km, FHC-1440 up to 20km, FHC-1460 up to 40km
- Easy-to-view LED indicators provide status to monitor network activity
- External power supply

Specifications:

Parameter	Specifications		
Optical Port			
		Bit rate	150Mb/s+/-50ppm
Wavelength	1310nm	Distance	10- 100Km
Network Media 100BASE-FX	Single-mode Fiber		
Connector	Duplex SC/UPC		
Ethernet Port			
Connector	RJ-45		
Speed	10/100/1000Mbps line speed		
Network Media 10/100/1000BASE-T	UTP category 3, 4, 5 cable (maximum 100m)		
Power Supply			
Input voltage	AC/DC Adapter- 110VAC		
Power Supply	5VDC 1000mA Max		
LED Indicators	PWR, FDX/Col, Link/Act, SPD		
Power	5VDC 5W Max		
Operating Environment			
Temperature	0°C-55°C	Humidity	5%-95% Non-Condensing
Physical Dimensions of Converter			
4.2"x2.8"x 1.1"			

Ordering information:

Model	Details
FHC-1420	1000M standalone media converter, SM, SF, SC,1310nm, 10KM
FHC-1440	1000M standalone media converter, SM, SF, SC, 1310nm, 20KM
FHC-1460	1000M standalone media converter, SM, SF, SC,1310nm, 40KM